



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010535
CERTIFICATION DATE: December 18, 2013
DATE RECERTIFICATION DUE: June 16, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Timmy L. Neece, Jr.
Forensic Scientist

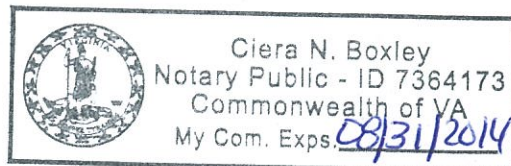
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 20th day of December, 2013 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

NSK



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 12/19/2013

HMS
TLN

Instrument Serial Number: 010535

As of 19-Dec-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
18-Dec-13	18-Dec-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
03-Jul-13	03-Jul-13	HMS (18910)	REPLACED PRINTER RIBBON, CERTIFIED, REPLACED DRY GAS STANDARD.
15-Jan-13	15-Jan-13	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
26-Jul-12	26-Jul-12	HMS (18910)	CERTIFIED
20-Jun-12	20-Jun-12	HMS (18910)	REPLACED AND TESTED FUEL CELL MODULE, CALIBRATED AND CERTIFIED.
22-Dec-11	22-Dec-11	TLN (25387)	CERTIFIED, REPLACED DRY GAS STANDARD.
14-Jul-11	14-Jul-11	MSK (21355)	CERTIFIED
11-Jul-11	02-Feb-11	HMS (18910)	SITE VISIT CONDUCTED.
12-May-11	02-Feb-11	HMS (18910)	REPLACED DRY GAS STANDARD.
02-Feb-11	02-Feb-11	HMS (18910)	REPLACED PRINTER RIBBON, CERTIFIED
17-Aug-10	17-Aug-10	HMS (18910)	CERTIFIED
28-Jul-10	08-Mar-10	HMS (18910)	REPLACED DRY GAS STANDARD.
08-Mar-10	08-Mar-10	HMS (18910)	CERTIFIED
29-Sep-09	29-Sep-09	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED.
16-Apr-09	16-Apr-09	RJP (22428)	CERTIFIED.
13-Apr-09	13-Apr-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
19-Feb-09	19-Feb-09	RJP (22428)	CALIBRATED, CERTIFIED AND ACCEPTED.

ANS
TLW

INTOX EC/IR II **Quality Assurance Worksheet**

Instrument Serial Number 010535 Worksheet Start Date 12/18/2013

Location Roanoke Police Department

Address 348 Campbell Ave., Roanoke, VA 24016

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 738 Reference Barometer (mm HG) 740

Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.295
0.300	0.291	0.282	0.299	Sample 2	0.295
Precision		sample min	sample max	Sample 3	0.294
0.001		0.294	0.295		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.098
0.100	0.097	0.094	0.100	Sample 2	0.098
Precision		sample min	sample max	Sample 3	0.098
0		0.098	0.098		

Dry gas standard Lot No. (with tank no.) AG219101-05

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies

Mouthpieces

Certificates of Analysis

Operator Worksheet

Other:

200

200

Notes:

Firmware/software upgrade.

Instrument Serial Number

010535

Certification Date

12/18/2013

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.241
0.250	0.243	0.235	0.250	Sample 2	0.241
Precision		sample min	sample max	Sample 3	0.241
0		0.241	0.241		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.145
0.150	0.146	0.141	0.150	Sample 2	0.146
Precision		sample min	sample max	Sample 3	0.145
0.001		0.145	0.146		

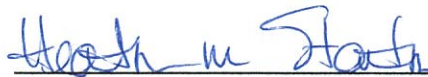
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.077
0.080	0.078	0.075	0.081	Sample 2	0.077
Precision		sample min	sample max	Sample 3	0.077
0		0.077	0.077		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.018
0.020	0.019	0.016	0.022	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0.001		0.018	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

12/19/13

Issuing Analyst


msk

Date

12/20/13

HHS
TLW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010535 Test Number: 2286

Test Date: 12/18/2013 Test Time: 06:56 EST

Dry Gas Target: 0.291

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 340 psi Barometric Pressure: 738 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	06:57
CHK	0.291	06:58
BLK	0.000	06:59
CHK	0.290	07:00
BLK	0.000	07:01
CHK	0.290	07:02

Test Status: *Success*

Calibration CRC: DCC736C4

HW
YW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010535 Test Number: 2287

Test Date: 12/18/2013 Test Time: 07:07 EST

Dry Gas Target: 0.097

Lot Number: AG316301-06 Exp Date: 06/12/2015

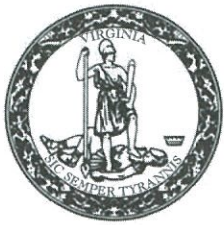
Tank Pressure: 551 psi Barometric Pressure: 738 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	07:07
CHK	0.096	07:08
BLK	0.000	07:10
CHK	0.095	07:10
BLK	0.000	07:12
CHK	0.095	07:12

Test Status: *Success*

Calibration CRC: DCC736C4




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

HMS
JUN

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/18/2013
TEST EQUIPMENT NUMBER 010535		

RESULTS: TIME SAMPLE TAKEN 07:20 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Dec 2013 at 08:00

See
this
TV

Test Results

Instrument Serial Number 010535

Test # 002288 Subject Test

Test Location 1 Department of
Test Date 18 Dec 2013

Test Location 2 Forensic Science
Test Time 07:14
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name HEATHER

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Driver's License Expiration 00/00/0000

Court Name DFS

Operator's Middle Initial M

License Number 18910

Expiration Date 10/01/2014

Subject's Sex Male

End Date 18 Dec 2013 End Time 07:21

Result Time 07:20

Result Date 18 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 07:14

Data Type BLK

Sample Value 0.000

Sample Time 07:15

Data Type CHK

Sample Value 0.095

Sample Time 07:15

Data Type BLK

Sample Value 0.000

Sample Time 07:17

Data Type SUBJ

Sample Value 0.000

Sample Time 07:18

Data Type BLK

Sample Value 0.000

Sample Time 07:18

Data Type SUBJ

Sample Value 0.000

Sample Time 07:20

Data Type BLK

Sample Value 0.000

Sample Time 07:21

Standard Type Dry Gas Std

Standard Value 0.097

Standard Lot Number AG316301-06

Standard Expiration Date 06/12/2015

Tank Pressure 541

Barometric Pressure 738 mmHg

Blow Sample Number 1 Blow Duration 3.20 sec

Blow Volume 1798 cc End-of-Blow Time 07:18

Blow Sample Number 2 Blow Duration 3.48 sec

Blow Volume 1742 cc End-of-Blow Time 07:20

Tamper Evident Stamp 3358bd7e

Test Status Code 0

Test Status Success

LMB
TW

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010535

System Date: 12/18/2013

System Time: 08:13 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Handwritten initials/signature

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010535 Test Number: 2289

Test Date: 12/18/2013 Test Time: 08:17 EST

Dry Gas Target: 0.097

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 517 psi Barometric Pressure: 738 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	08:17
CAL	0.097	08:18

Test Status: *Success*

Calibration CRC: A56817B3

Handwritten initials/signature
TUN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010535 Test Number: 2290
Test Date: 12/18/2013 Test Time: 08:21 EST

Technician Initials: HMS

Dry Gas Target: 0.243

Lot Number: 2961225012-08 Exp Date: 11/01/2014
Tank Pressure: 125 psi Barometric Pressure: 738 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:21
BLK	0.000	08:22
CHK	0.241	08:23
BLK	0.000	08:24
CHK	0.241	08:25
BLK	0.000	08:27
CHK	0.241	08:27
BLK	0.000	08:29

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
TUN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010535 Test Number: 2291
Test Date: 12/18/2013 Test Time: 08:31 EST

Technician Initials: *HMS*

Dry Gas Target: 0.146

Lot Number: 2951215012-02 Exp Date: 11/01/2014
Tank Pressure: 414 psi Barometric Pressure: 738 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	08:31
BLK	0.000	08:32
CHK	0.145	08:33
BLK	0.000	08:34
CHK	0.146	08:35
BLK	0.000	08:36
CHK	0.145	08:37
BLK	0.000	08:38

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
TUN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010535 Test Number: 2292
Test Date: 12/18/2013 Test Time: 08:40 EST

Technician Initials: HMS

Dry Gas Target: 0.078

Lot Number: 0771308012-04 Exp Date: 05/01/2015
Tank Pressure: 551 psi Barometric Pressure: 738 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:40
BLK	0.000	08:41
CHK	0.077	08:42
BLK	0.000	08:43
CHK	0.077	08:44
BLK	0.000	08:45
CHK	0.077	08:46
BLK	0.000	08:47

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010535 Test Number: 2293
Test Date: 12/18/2013 Test Time: 08:48 EST

Technician Initials: HMS

Dry Gas Target: 0.019

Lot Number: 0771302011-04 Exp Date: 05/01/2015
Tank Pressure: 659 psi Barometric Pressure: 738 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:49
BLK	0.000	08:50
CHK	0.018	08:50
BLK	0.000	08:52
CHK	0.019	08:52
BLK	0.000	08:54
CHK	0.019	08:54
BLK	0.000	08:56

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010535 Test Number: 2294

Test Date: 12/18/2013 Test Time: 08:58 EST

Dry Gas Target: 0.291

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 335 psi Barometric Pressure: 738 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	08:59
CHK	0.295	08:59
BLK	0.000	09:01
CHK	0.295	09:02
BLK	0.000	09:04
CHK	0.294	09:05

Test Status: *Success*

Calibration CRC: A56817B3

JMS
TLW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010535 Test Number: 2295

Test Date: 12/18/2013 Test Time: 09:08 EST

Dry Gas Target: 0.097

Lot Number: AG219101-05 Exp Date: 07/09/2014

Tank Pressure: 1017 psi Barometric Pressure: 738 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:09
CHK	0.098	09:10
BLK	0.000	09:12
CHK	0.098	09:12
BLK	0.000	09:14
CHK	0.098	09:14

Test Status: *Success*

Calibration CRC: A56817B3

Handwritten initials: HNS, TW




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/18/2013
TEST EQUIPMENT NUMBER 010535		

RESULTS: TIME SAMPLE TAKEN 09:22 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 19 Dec 2013 at 08:21

Handwritten initials: HHS
TW

Test Results

Instrument Serial Number 010535

Test # 002296 Subject Test

Test Location 1 Department of
Test Date 18 Dec 2013

Test Location 2 Forensic Science
Test Time 09:16
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial N

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 18 Dec 2013 End Time 09:23

Result Time 09:22

Result Date 18 Dec 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:16

Data Type BLK

Sample Value 0.000

Sample Time 09:17

Data Type CHK

Sample Value 0.098

Sample Time 09:18

Data Type BLK

Sample Value 0.000

Sample Time 09:19

Data Type SUBJ

Sample Value 0.000

Sample Time 09:20

Data Type BLK

Sample Value 0.000

Sample Time 09:21

Data Type SUBJ

Sample Value 0.000

Sample Time 09:22

Data Type BLK

Sample Value 0.000

Sample Time 09:23

Standard Type Dry Gas Std

Standard Value 0.097

Standard Lot Number AG219101-05

Standard Expiration Date 07/09/2014

Tank Pressure 1007

Barometric Pressure 738 mmHg

Blow Sample Number 1 Blow Duration 3.36 sec

Blow Volume 1765 cc

End-of-Blow Time 09:20

Blow Sample Number 2 Blow Duration 3.45 sec

Blow Volume 1746 cc

End-of-Blow Time 09:22

Tamper Evident Stamp ccb530de

Test Status Code 0

Test Status Success